



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

12 July 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: July 7, 2004

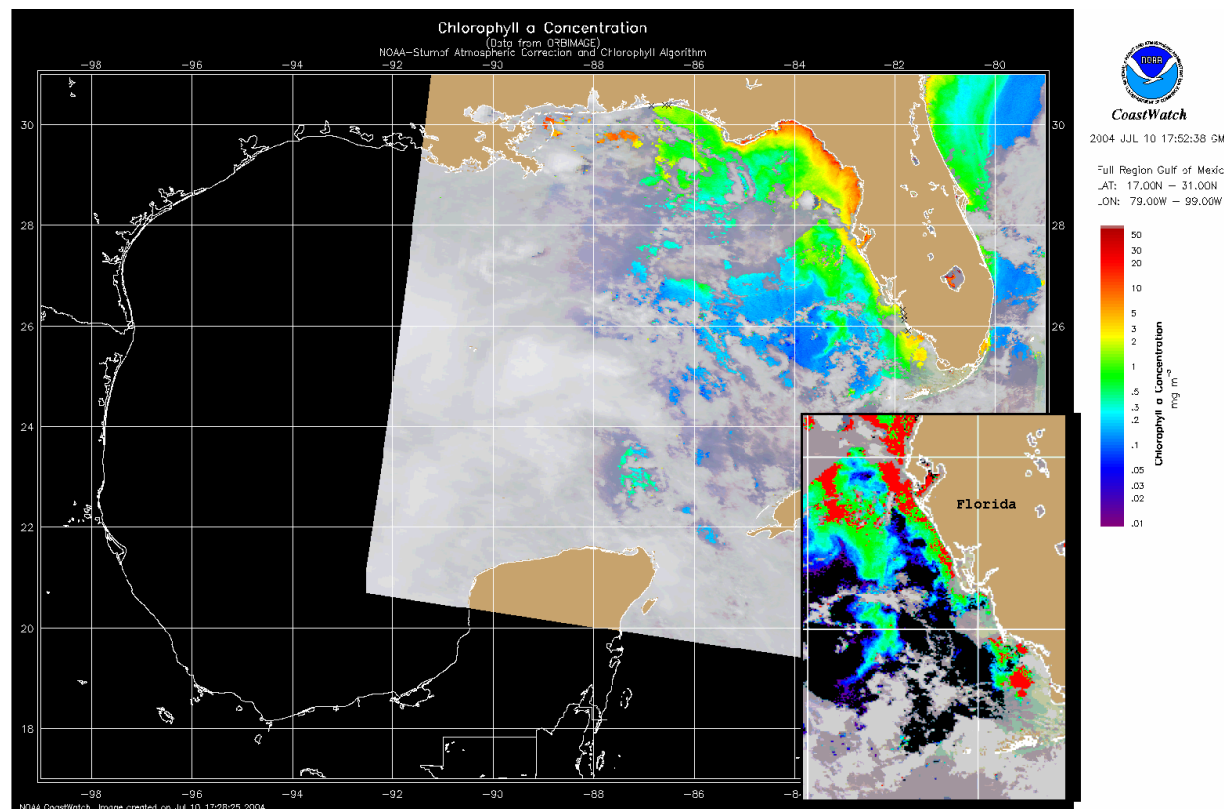
Analysis

SW Florida. Several chl features have developed from Tampa Bay north. These are probably non-toxic. Winds have not been favorable for development of *Karenia*. Chlorophyll is generally below 3 ug/L in these areas. Concerning chl feature in Boca Grande area (26.7dN) previously identified as non-toxic, cell counts also show no *Karenia* present in that area.

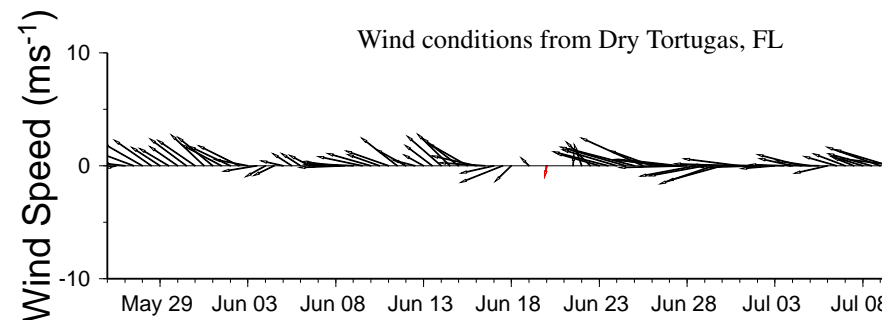
The offshore diatom bloom starting extending southward over the weekend and is now found as far south as 25.3dN. South of 26dN chlorophyll is < 1.5 ug/L within the bloom. Slow movement south expected through this week. This could lead to reports of discolored water well north of Tortugas, but the feature is not expected to reach Tortugas by end of week.

Disregard chl feature SE of Cape Romano (81.5W, 25.5N).

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from July 8, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from measurements made on NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

Winds southerly to westerly in Tampa-Sarasota area over the next several days

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